

Augmented Xperience feature overview

Our leading-edge Augmented Xperience platform is the first to offer outstanding speech clarity in an immersive environment, combined with connectivity for Android¹ and iOS devices plus artificial intelligence (AI) for live remote assistance.

Features	Information	Performance levels				
		7AX	5AX	3AX	2AX	1AX
Dynamic Soundscape Processing 2.0	Dynamic Soundscape Processing takes sound processing to a more precise level by including motion data for a more realistic sound adapted to everyday life.	●●●●●	●●●●●	●●●●●	●●●○○	●●●○○
Augmented Focus™	Separates the focus sound (speech) from surroundings, creating a clear contrast between the two, which makes it easier to follow conversations.	✓	✓	✓	✓	✓
Acoustic Sensors	The redesigned acoustic sensors can detect more variables of sound than ever before, providing more accurate information about the environment.	✓	✓	✓	✓	✓
e2e wireless 4.0	Control coupling, synchronization, binaural directionality, Spatial Speech Focus, CROS/ BiCROS.	✓	✓	✓	✓	✓
Motion Sensor	An integrated motion sensor detects whether the wearer is walking, running or sitting still. This motion data complements the acoustic data to optimize Dynamic Soundscape Processing 2.0.	✓	✓	✓		
OVP™ (Own Voice Processing) ³	Own Voice Processing (OVP™) utilizes real-time recognition of the wearer's voice to deliver a natural own-voice impression. Available for RIC/BTE devices with e2e wireless in binaural fittings.	✓	✓	✓		
Sound Clarity	Sound Clarity provides lifelike sound which covers the full spectrum of wearing situations.	●●●●●	●●●●○	●●●○○	●●●○○	●●○○○
Signal processing / Gain & MPO	Channels/handles in Connexx. For Signia AX, channels are per processing chain (Focus/Surroundings).	48/20	32/16	24/12	16/8	16/8
Hearing Programs	Number of programs configurable in Connexx.	6	6	6	4	4
Extended dynamic range	117 dB 24 bit processing for enhanced digital encoding of soft and loud sounds.	✓	✓	✓	✓	✓
Speech and noise management	Reduces listening effort using sophisticated sound processing.	✓	✓	✓	✓	✓
SoundSmoothing™	Reduces the annoyance of sudden loud impact sound such as when handling glassware.	✓	✓	✓	✓	
Feedback cancellation	High speed monitoring and control of feedback in individual processing channels.	✓	✓	✓	✓	✓
HD Music	Preset programs for enhanced enjoyment of non-streamed music.	3	3	1	1	
eWindScreen	Reduces the annoyance of wind noise when outdoors.	✓	✓	✓	✓	
Extended bandwidth	12 kHz bandwidth for enhanced processing of high-frequency speech and environmental sounds.	✓				
EchoShield	Dedicated program for reverberant environments.	✓	✓			
Speech Quality	Speech Quality delivers improved speech understanding and communication ease in noise.	●●●●●	●●●●○	●●●○○	●●●○○	●●●○○
Binaural Directionality	Directionality provides scientifically proven enhanced speech understanding in noise. Available for bilateral fittings with directional microphones and e2e wireless link.	✓	✓	✓		
Wireless CROS/BiCROS	Requires CROS transmitters.	✓	✓	✓	✓	✓
Frequency compression	Improves the detection of speech sounds for wearers with reduced high frequency hearing thresholds. Frequency compression is selectively activated based on audiological criteria.	✓	✓	✓	✓	✓

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Spatial SpeechFocus	Depending on the direction of the dominant speech source, Spatial SpeechFocus steers the directional beam to the left, right, or behind the wearer automatically in a car situation, or in a dedicated "Strolling" program. Available for bilateral fittings with directional microphones and e2e wireless link.	✓ ¹⁾	✓ ²⁾			
Wearer Interaction	Technically inclined wearers may appreciate having extra control over their hearing aids. Signia Augmented Xperience hearing aids offer these wearers a comprehensive range of adjustment options via the Signia app.	●●●●●	●●●●●	●●●●●	●●●●●	●●●●●
Signia Assistant	Signia Assistant offers wearers instant 24/7 support and troubleshooting around the clock. It provides detailed information in Connexx to address each client's fine-tuning needs more precisely.	✓	✓	✓	✓	✓
Signia app (iOS and Android)	The new Signia app combines all functionalities of previous apps (touchControl, myControl, myHearing app). The functionality offered in the app is automatically customized depending on the connected hearing aid.	✓	✓	✓	✓	✓
Adaptive Streaming Volume	Speech intelligibility weighted adaptation of the streaming volume depending on ambient noise.	✓	✓	✓	✓	✓
Spatial Configurator	Spatial Configurator is part of the Signia app and allows the wearer to adjust the direction of the microphone beam.	✓	✓			
Direct streaming for iOS	Signia Augmented Xperience hearing aids can be connected directly to Apple devices for phone calls and audio streaming – without additional accessories.	✓	✓	✓	✓	✓
Direct streaming for Android	Direct audio streaming from ASHA compatible Android devices to Bluetooth enabled Augmented Xperience hearing aids.	✓	✓	✓	✓	✓
StreamLine TV accessory	Stream high quality stereo sound directly from a TV to Bluetooth equipped Augmented Xperience hearing aids.	✓	✓	✓	✓	✓
StreamLine Mic accessory	Stream high quality stereo sound directly from any Bluetooth device (Android devices, older Apple devices, other smartphones, PCs, laptops, etc.) to Bluetooth equipped Augmented Xperience hearing aids.	✓	✓	✓	✓	✓
Tinnitus	A choice of tinnitus treatments based on amplified notch therapy or traditional noise therapy signals. It is even possible to combine the two approaches.	✓	✓	✓	✓	
Notched Amplification Therapy	Innovative tinnitus therapy delivered via everyday amplification.	✓	✓	✓	✓	
Smart Optimizer and Data Logging	Smart Optimizer (found under Data Logging) provides tailored fine-tuning recommendations based on an analysis of the wearer's usage of the hearing aid.	✓	✓	✓	✓	✓
Acclimatization manager	Allows the wearer to benefit from enhanced audibility in the longer term, while enjoying optimal device acceptance when initially fitted.	✓	✓	✓	✓	✓
InSituGram	Allows quick and convenient screening audiograms and checking of thresholds while the hearing aids are worn.	✓	✓	✓	✓	✓
AutoFit	Automatically provides an optimized real-ear insertion gain (REIG) setting without the need to manually match targets. The new IMC2 standard expands the range of REM equipment which supports AutoFit with Connexx and Noah 4.5.1 or higher.	✓	✓	✓	✓	✓
TeleCare	TeleCare provides remote services including additional tools to follow-up with patients. In addition, user engagement and autonomy can be increased via the Signia app.	✓	✓	✓	✓	✓
Remote Services	Includes TeleCare Dashboard, Remote Fine Tuning, CareChat (incl. text messages, phone calls and video calls), virtual follow-up.	✓	✓	✓	✓	✓

1) In Universal program: Automatic mic beam to the right / left / rear directions.
 2) In Universal program: Automatic mic beam to the rear, surround mode for side speech. In manual programs, microphone beam to the right/left/rear directions.
 3) Not available for Insio C&G AX